OhioEdison
A FirstEnergy Company

76 South Main Street
Akron, Ohio 44308

February 13, 2008

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Chief, Environmental Enforcement Section
Environmental & Natural Resources Division,
DJ#90-5-2-1-06894
U.S. Department of Justice
P.O. Box 7611, Ben Franklin Station
Washington, District of Columbia 20044-7611

UPS Ground
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Office of Enforcement & Compliance Assurance
U.S. Environmental Protection Agency
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120 Broadway
New York, New York 10271

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401 East State Street, Floor 4
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UPS Ground
Department Head
Environmental Department
State of Connecticut
Office of the Attorney General
55 Elm Street
Hartford, Connecticut 06106

UPS Ground
Bureau Chief, Air Bureau
State of Connecticut
Department of Environmental Protection
79 Elm Street
Hartford, Connecticut 06106

Gentlemen and Ladies:

Re: Submittal of Fifth Semiannual Progress Report Pursuant Paragraph 141 of the Consent Decree, Entered in Civil Action No. C2-99-1181

Ohio Edison Company (OE) submits the following semiannual progress report for the period July 1, 2007 through December 31, 2007, as required by paragraph 141 of the Consent Decree (CD).

Appendix (B)(I)(A) — Installation of NO_x and SO_2 Equipment

Project	Construction Schedule	Date of Contract Execution	Major Component Delivery	Estimated Percentage Complete	Estimated Construction Completion	Date of Final Installation	Acceptance Test
SA 1–2, 4–7 Low-NO_x Burners				100 %		In-service prior to Consent Decree	
SA 1–2, 4, 6–7 Overfired Air				100 %		In-service prior to Consent Decree	
SA 1–5 Combustion Optimization	See attached Schedule	4/14/05	All Equipment Received	100%		11/2/05	N/A
SA 1 SNCR	See attached Schedule	N/A – FE General Contractor	All Equipment Received	100%		6/16/06	N/A
SA 2 SNCR				100%		In-service prior to Consent Decree	
SA 3 SNCR	See attached Schedule	N/A – FE General Contractor	All Equipment Received	100%		11/07/05	N/A
SA 4 SNCR	See attached Schedule	N/A – FE General Contractor	All Equipment Received	100%		5/19/06	N/A
SA 5 SNCR	See attached Schedule	N/A – FE General Contractor	All Equipment Received	100%		4/28/06	N/A
SA 6 SNCR		N/A – FE General Contractor	All Equipment Received	100%		6/3/05	N/A
SA 7 SNCR				100%		In-service prior to Consent Decree	
SA 6 SCR	See attached Schedule	January 2005	Catalyst 4th Quarter 2008	50%	5/30/09	9/20/09	N/A
SA 7 SCR	See attached Schedule	January 2005	Catalyst 4th Quarter 2009	30%	3/27/10	7/30/10	N/A
SA 1-4 SO_2 Removal System	See attached Schedule	8/26/05	Absorber Rings: 1st Quarter 2008	31%	11/12/09	7/30/10	9/1/10
SA 5 SO_2 Removal System	See attached Schedule	8/26/05	Absorber Rings: 3rd/4th Quarter 2008	23%	12/31/09	9/30/10	11/30/10
SA 6 & 7 SO_2 Removal System	See attached Schedule	8/26/05	Absorber Rings: 3rd/4th Quarter 2008	23%	12/31/09	9/30/10	11/30/10

Project	Construction Schedule	Date of Contract Execution	Major Component Delivery	Estimated Percentage Complete	Estimated Construction Completion	Date of Final Installation	Acceptance Test
MN 1 Scrubber Upgrades	See attached Schedule	N/A – FE General Contractor	All Equipment Received	100%		12/3/05	Completed 6/1/06
MN 2 Scrubber Upgrades	See attached Schedule	N/A – FE General Contractor	All Equipment Received	100%		11/8/06	Completed 6/19/07
MN 3 Scrubber Upgrades	See attached Schedule	N/A – FE General Contractor	6/29/07	100%		11/10/07	Scheduled 3/31/08
EL 5 Low-NO_x Burners, Overfired Air				100%		In-service prior to Consent Decree	
EL 5 SNCR	See attached Schedule	N/A – FE General Contractor	All Equipment Received	100%		2/26/07	N/A
Burger 4 SNCR	See attached Schedule	N/A – FE General Contractor	Equipment Skid: 1st Quarter 2008	29%	5/15/08	6/28/08	N/A
Burger 5 SNCR	See attached Schedule	N/A – FE General Contractor	Equipment Skid: 1st Quarter 2008	27%	5/15/08	7/14/08	N/A

Appendix (B)(I)(B) — 30-Day Rolling Average Emission Rates for NO_x and SO_2

CD Paragraph 56:

1. The Sammis Unit 2 NO_x 30-Day Rolling Average Emission Rate (lb/mmBtu) is attached for the period July 1, 2007 through December 31, 2007.

   The Sammis Unit 3 NO_x 30-Day Rolling Average Emission Rate (lb/mmBtu) is attached for the period July 1, 2007 through December 31, 2007.

2. Sample calculations were previously submitted for Sammis Unit 2.

   Sample calculations were previously submitted for Sammis Unit 3.

3. There were no deviations of the Sammis Unit 2 NO_x 30-Day Rolling Average Emission Rate during the period.

   There were no deviations of the Sammis Unit 3 NO_x 30-Day Rolling Average Emission Rate during the period.

4. Sammis Unit 2 and 3 Startup and Shutdown.

Unit	Date and Time Fuel Combusted	Date and Time Synchronized	Date and Time Fire Extinguished	Fifth and Subsequent Cold Startup Period Within 30-Day Period
SA-2			10/26/2007 – 02:35	
SA-2	10/27/2007 – 10:23	10/28/2007 – 02:22		
SA-3			9/09/2007 – 23:47	
SA-3	9/12/2007 – 21:20	9/13/2007 – 06:09		

Appendix (B)(I)(C) — PM Emission Rates

CD Paragraph 112: Nothing to report.

Appendix (B)(I)(D) — Plant-Wide Annual Cap and Monthly Cap

CD Paragraph 69: OE complied with the Plant-Wide Annual Cap for the Sammis Plant for NO_x, which applies collectively to all units within the Sammis plant for the period January 1, 2007 through December 31, 2007. The Plant-Wide Annual Cap was 20,596 tons, and the actual emissions for this period were 19,958 tons.

CD Paragraph 70: Compliance with the Plant-Wide Annual Cap for the period January 1, 2007 through December 31, 2007 was determined by calculating actual annual emission during all periods of operation from the Sammis plant using CEMS.

CD Paragraph 93: OE complied with the Plant-Wide Annual Cap for the Sammis plant for SO_2, which applies collectively to all units within the Sammis plant for the period January 1, 2007 through December 31, 2007. The Plant-Wide Annual Cap was 116,000 tons, and the actual emissions for this period were 101,789 tons.

CD Paragraph 94: Nothing to report.

CD Paragraph 95: Compliance with the Plant-Wide Annual Cap for the period January 1, 2007 through December 31, 2007 was determined by calculating actual annual emissions during all periods of operation from the Sammis plant using CEMS.

Appendix (B)(I)(E) — Additional Reductions

CD Paragraph 62: OE complied with the requirement to achieve Additional Eastlake Plant NOx Reductions for the period January 1, 2007 through December 31, 2007. The Additional Eastlake NOx Reductions required were 11,000 tons, and the actual reductions were 11,570 tons. Eastlake Unit 5 contributed 10,326 tons of reductions. Additional reductions were achieved of 378 tons from Ashtabula 5 and 866 tons from Bay Shore Units 2, 3, and 4 per the substitution plan approved August 10, 2007.

CD Paragraph 91: OE complied with the requirement to demonstrate the Mansfield Units 1 and 2 FGD Removal Efficiency. The Removal Efficiency requirement for each unit was 95 percent, and the actual Removal Efficiency was 99.1 and 95.4 percent respectively for Units 1 and 2. Compliance with the Removal Efficiency requirement for the period January 1, 2007 through December 31, 2007 was determined by CEMs data and coal sampling conducted on November 27, 2007 for Unit 1 and performance testing conducted June 19, 2007 for Unit 2. See attached summaries.

CD Paragraph 92: OE complied with the Additional Mansfield plant SO_2 Reductions for Mansfield Unit 1 and Unit 2 for the period January 1, 2007 through December 31, 2007. The Additional Mansfield SO_2 Reductions required were 8,000 tons, and the actual reductions were 15,545 tons.

Appendix (B)(I)(F) — Interim Reductions for NO_x and SO_2

CD Paragraph 72: OE achieved interim NO_x emission reductions of 638 tons by emitting fewer tons than the Plant-Wide Annual Cap for NO_x emissions at the Sammis plant for the period January 1, 2007 through December 31, 2007. In addition, OE achieved interim NO_x emission reductions of 646 tons by using a low-sulfur coal at Burger Units 4 and 5 for the period January 1, 2007 through December 31, 2007. OE has now achieved 2,471 tons of the 2,483 tons Interim NOx Emission Reductions required by CD Paragraph 72.

CD Paragraph 97: OE achieved interim SO_2 emission reductions of 11,181 tons by using a low-sulfur coal at Burger Units 4 and 5. OE has achieved 26,767 tons of the 35,000 tons required by CD Paragraph 97.

CD Paragraph 98: OE achieved interim SO_2 emission reductions of 14,211 tons by emitting fewer tons than the Plant-Wide Annual Cap for SO_2 emissions at the Sammis plant for the period January 1, 2007 through December 31, 2007. OE has achieved 14,211 tons of the 24,600 tons required by CD Paragraph 98.

Appendix (B)(I)(G) — Surrender of Restricted SO_2 Allowances

Nothing to report.

Appendix (B)(I)(H) — Generation of Super-Compliant Allowances

Nothing to report.

Appendix (B)(I)(I) — NO_x System-Wide Annual Emission Rate

Nothing to report.

Appendix (B)(I)(J) — Environmentally Beneficial Projects

1. Cash Contributions

Date of Payment	Recipient	Amount Paid (dollars)
Nothing to report		

2. **Renewable Energy Development Projects**

Date of Execution	Megawatts	Location	Commencement of Operation	Description
3/21/2006	16	Cambria County, PA	6/29/2007	Wind turbine purchase power agreement for 23-year term entered into by FES, an affiliate of OE (agreement previously submitted)

Appendix (B)(II) — Deviation Reports

Nothing to report.

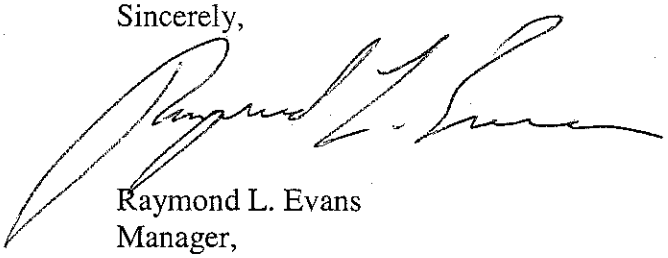
Appendix (B)(III) — Ohio Edison Submissions

Date Submitted	Plans/Submissions	Pending Review and Approval
9/13/07	Clarification of Plan	Approved

Certification

"This information was prepared either by me or under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my evaluation, or the direction and my inquiry of the person(s) who manages the system, or the persons(s) directly responsible for gathering the information, I hereby certify under penalty of law that, to the best of my knowledge and belief, this information is true, accurate, and complete. I understand that there are significant penalties for submitting false, inaccurate, or incomplete information to the United States."

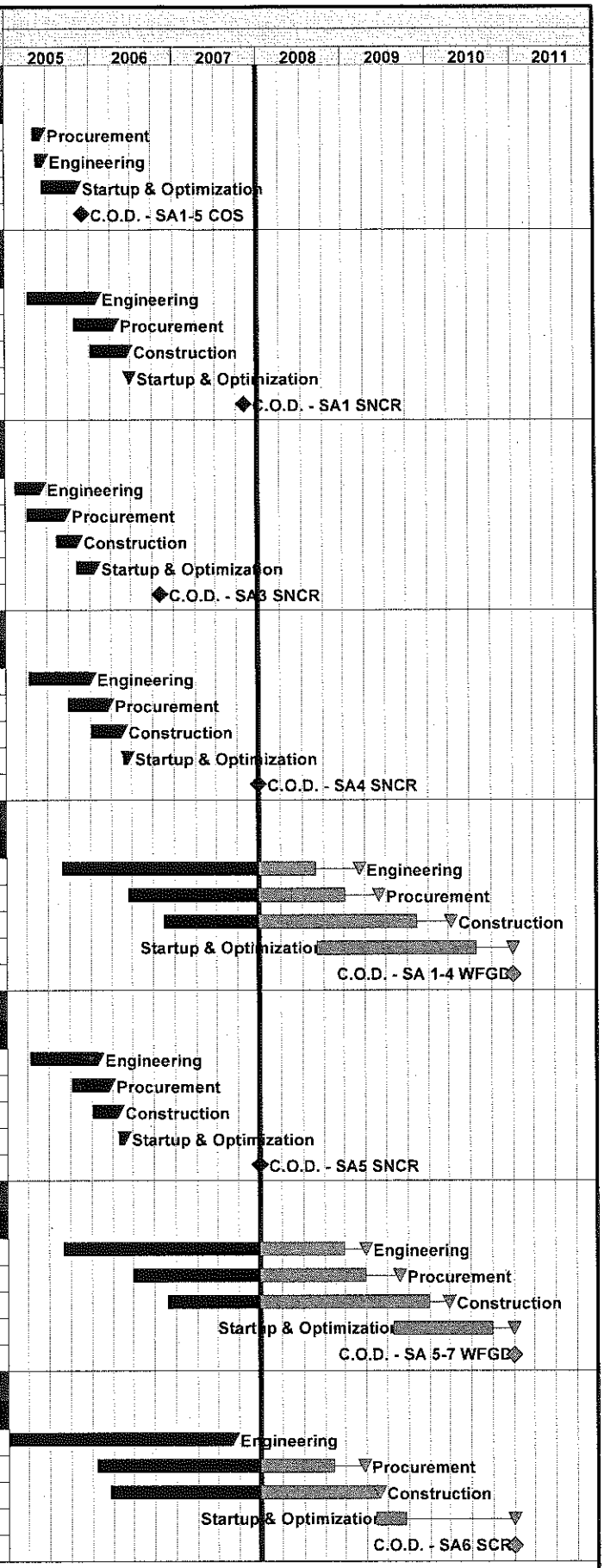
Sincerely,



Raymond L. Evans
Manager,
Environmental Controls and Monitoring

Attachments

Activity Description	% Comp	Current Start	Current Finish
Sammis 1-5			
Combustion Optimization System (COS)			
Procurement	100	05/06/05A	06/06/05A
Engineering	100	05/19/05A	06/16/05A
Startup & Optimization	100	06/13/05A	11/02/05A
C.O.D. - SA1-5 COS	100		12/01/05A
Sammis 1			
Selective Non-Catalytic Reduction (SNCR)			
Engineering	100	04/11/05A	02/01/06A
Procurement	100	10/31/05A	04/14/06A
Construction	100	01/09/06A	06/16/06A
Startup & Optimization	100	06/19/06A	06/30/06A
C.O.D. - SA1 SNCR	100		10/31/07A
Sammis 3			
Selective Non-Catalytic Reduction (SNCR)			
Engineering	100	02/14/05A	05/29/05A
Procurement	100	04/04/05A	09/16/05A
Construction	100	08/08/05A	11/06/05A
Startup & Optimization	100	11/07/05A	01/21/06A
C.O.D. - SA3 SNCR	100		10/31/06A
Sammis 4			
Selective Non-Catalytic Reduction (SNCR)			
Engineering	100	04/11/05A	01/01/06A
Procurement	100	10/01/05A	03/20/06A
Construction	100	01/09/06A	05/19/06A
Startup & Optimization	100	05/22/06A	06/16/06A
C.O.D. - SA4 SNCR	100		12/31/07A
Sammis 1-4			
Wet Flue Gas Desulfurization (WFGD)			
Engineering	78	08/31/05A	08/31/08
Procurement	61	06/12/06A	01/03/09
Construction	37	11/19/06A	11/12/09
Startup & Optimization	0	09/09/08	07/30/10
C.O.D. - SA 1-4 WFGD 2008 - 2009	0		12/31/10*
Sammis 5			
Selective Non-Catalytic Reduction (SNCR)			
Engineering	100	04/11/05A	02/01/06A
Procurement	100	10/11/05A	03/20/06A
Construction	100	01/09/06A	04/28/06A
Startup & Optimization	100	05/01/06A	05/26/06A
C.O.D. - SA5 SNCR	100		12/31/07A
Sammis 5-7			
Wet Flue Gas Desulfurization (WFGD)			
Engineering	70	08/31/05A	12/31/08
Procurement	55	07/01/06A	03/31/09
Construction	35	11/27/06A	12/31/09
Startup & Optimization	0	08/01/09	09/30/10
C.O.D. - SA 5-7 WFGD	0		12/31/10*
Sammis 6			
Selective Catalytic Reduction (SCR)			
Engineering	100	12/27/04A	08/31/07A
Procurement	69	01/20/06A	11/08/08
Construction	56	03/20/06A	05/30/09
Startup & Optimization	0	05/11/09	09/20/09
C.O.D. - SA6 SCR	0		12/31/10*



Start Date	09/20/04
Finish Date	12/31/11
Data Date	01/01/08
Run Date	01/25/08 08:20

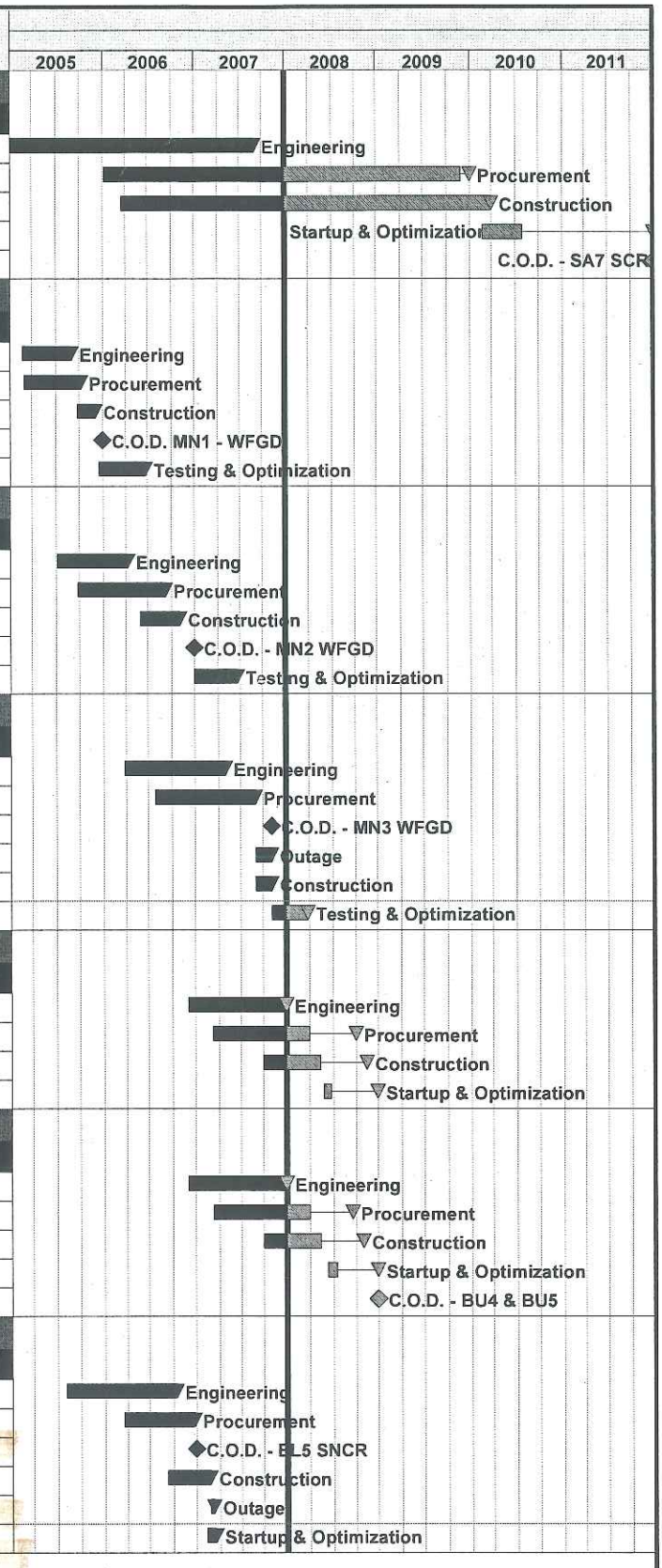
FirstEnergy Corp

Consent Decree

Level 1 Schedule

Date	Revision	Checked	Approved
02/10/06	Rev. 2		
02/05/07	Rev. 3		
01/25/08	Rev. 4		

Activity Description	% Comp	Current Start	Current Finish
Sammis 7			
Selective Catalytic Reduction (SCR)			
Engineering	100	12/27/04A	08/31/07A
Procurement	51	01/09/06A	11/30/09
Construction	44	03/20/06A	03/27/10
Startup & Optimization	0	02/26/10	07/30/10
C.O.D. - SA7 SCR	0		12/31/11*
Mansfield 1			
Wet Flue Gas Desulfurization (WFGD)			
Engineering	100	02/21/05A	08/31/05A
Procurement	100	02/28/05A	10/09/05A
Construction	100	09/24/05A	12/03/05A
C.O.D. MN1 - WFGD	100		12/31/05A
Testing & Optimization	100	12/16/05A	06/23/06A
Mansfield 2			
Wet Flue Gas Desulfurization (WFGD)			
Engineering	100	07/04/05A	04/12/06A
Procurement	100	09/24/05A	09/05/06A
Construction	100	06/01/06A	11/03/06A
C.O.D. - MN2 WFGD	100		12/31/06A
Testing & Optimization	100	01/01/07A	06/20/07A
Mansfield 3			
Wet Flue Gas Desulfurization (WFGD)			
Engineering	100	03/27/06A	04/28/07A
Procurement	100	07/27/06A	08/31/07A
C.O.D. - MN3 WFGD	100		10/31/07A
Outage	100	09/01/07A	11/03/07A
Construction	100	09/01/07A	11/03/07A
Testing & Optimization	41	11/04/07A	03/24/08
Burger 4			
Selective Non-Catalytic Reduction (SNCR)			
Engineering	100	12/01/06A	
Procurement	76	03/14/07A	03/31/08
Construction	41	09/29/07A	05/15/08
Startup & Optimization	0	05/30/08	06/28/08
Burger 5			
Selective Non-Catalytic Reduction (SNCR)			
Engineering	100	12/01/06A	
Procurement	76	03/14/07A	03/31/08
Construction	41	09/29/07A	05/15/08
Startup & Optimization	0	06/15/08	07/14/08
C.O.D. - BU4 & BU5	0		12/31/08*
Eastlake 5			
Selective Non-Catalytic Reduction (SNCR)			
Engineering	100	08/01/05A	10/13/06A
Procurement	100	03/19/06A	12/20/06A
C.O.D. - EL5 SNCR	100		12/31/06A
Construction	100	09/05/06A	02/24/07A
Outage	100	02/26/07A	03/12/07A
Startup & Optimization	100	02/12/07A	03/17/07A

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U.S. EPA, REGION 5

CleanAir

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www.cleanair.com

First Energy
76 South Main Street
Akron, Ohio 44308

REPORT ON THE DETERMINATION OF SULFUR DIOXIDE REMOVAL EFFICIENCY

Performed for:
FIRST ENERGY
BRUCE MANSFIELD STATION
UNIT 2

Client Reference No: 11480479
CleanAir Project No: 10201
PADEP Registered Environmental Laboratory No: 2-760
Revision 0: July 24, 2007

To the best of our knowledge, the data presented in this report are accurate, complete, error free, legible and representative of the actual emissions during the test program.

Submitted by,

Robert A. Prekstà
Sr. Project Manger
bpreksta@cleanair.com
(615) 773-7177

Reviewed by,

Timothy D. Rodak
Leader, Eastern Engineering Group
trodak@cleanair.com
(412) 787-9130 ext. 225

PROJECT OVERVIEW

Table 1-2:
Summary of Test Results

Source Constituent	Sampling Method	Average Emission
Unit 2 Potential SO_2 Emissions		
SO_2 (lb/hr) [1]	EPA M19	49,619
SO_2 (lb/hr) [2]	EPA M19	49,666
SO_2 (lb/MMBtu) [3]	EPA M19	5.020
Unit 2 Measured SO_2 Emissions		
Unit 2A Stack Measured Emissions		
SO_2 (lb/hr)	EPA M8	1,173
SO_2 (lb/MMBtu)	EPA M8	0.2569
Unit 2B Stack Measured Emissions		
SO_2 (lb/hr)	EPA M8	865
SO_2 (lb/MMBtu)	EPA M8	0.2016
Total Measured SO_2 Emitted from Unit		
SO_2 (lb/hr)	EPA M8	2,038
SO_2 (lb/MMBtu)	EPA M8	0.2292
Removal Efficiency		
Based on lb/hr [1]	EPA M19	95.9%
Based on lb/hr [2]	EPA M19	95.9%
Based on lb/MMBtu	EPA M19	95.4%

[1] Potential mass emission of sulfur dioxide based on fuel (coal) analysis and heat input.
[2] Potential mass emission of sulfur dioxide calculated from fuel (coal) flow and sulfur analysis.
[3] Potential mass emission of sulfur dioxide calculated from fuel (coal) analysis.

Daily Rolling Average Report
Reporting Period: 07/01/2007 to 12/31/2007

Time of Report: 02/11/08 14:44

Site Name: Boiler 3
Rolling Average Interval: 30 days

Date	NOX#/MM3 (LB/MMBTU)
07/01/07	0.210
07/02/07	0.209
07/03/07	0.208
07/04/07	0.208
07/05/07	0.205
07/06/07	0.206
07/07/07	0.205
07/08/07	0.205
07/09/07	0.206
07/10/07	0.207
07/11/07	0.208
07/12/07	0.207
07/13/07	0.207
07/14/07	0.207
07/15/07	0.207
07/16/07	0.208
07/17/07	0.208
07/18/07	0.209
07/19/07	0.210
07/20/07	0.211
07/21/07	0.210
07/22/07	0.209
07/23/07	0.210
07/24/07	0.211
07/25/07	0.211
07/26/07	0.211
07/27/07	0.210
07/28/07	0.210
07/29/07	0.209
07/30/07	0.210
07/31/07	0.211
08/01/07	0.212
08/02/07	0.213
08/03/07	0.214
08/04/07	0.214
08/05/07	0.213
08/06/07	0.214
08/07/07	0.214
08/08/07	0.214
08/09/07	0.213
08/10/07	0.213
08/11/07	0.213
08/12/07	0.212
08/13/07	0.213
08/14/07	0.213

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Reporting Period: 07/01/2007 to 12/31/2007

Time of Report: 02/11/08 14:44

Site Name: BLR3P
Rolling Average Interval: 30 days

Date	NOX#/MM3 (LB/MMBTU)
08/15/07	0.214
08/16/07	0.214
08/17/07	0.213
08/18/07	0.213
08/19/07	0.212
08/20/07	0.213
08/21/07	0.213
08/22/07	0.213
08/23/07	0.213
08/24/07	0.214
08/25/07	0.214
08/26/07	0.214
08/27/07	0.214
08/28/07	0.215
08/29/07	0.216
08/30/07	0.216
08/31/07	0.214
09/01/07	0.214
09/02/07	0.213
09/03/07	0.212
09/04/07	0.213
09/05/07	0.213
09/06/07	0.213
09/07/07	0.214
09/08/07	0.215
09/09/07	0.214
09/10/07	UNIT WAS NOT OPERATING
09/11/07	UNIT WAS NOT OPERATING
09/12/07	UNIT WAS NOT OPERATING
09/13/07	0.216
09/14/07	0.216
09/15/07	0.215
09/16/07	0.215
09/17/07	0.215
09/18/07	0.215
09/19/07	0.214
09/20/07	0.215
09/21/07	0.216
09/22/07	0.216
09/23/07	0.216
09/24/07	0.217
09/25/07	0.217
09/26/07	0.217
09/27/07	0.217
09/28/07	0.218

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Site Name: BLR3P
Rolling Average Interval: 30 days

Date	NOX#/MM3 (LB/MMBTU)
09/29/07	0.217
09/30/07	0.217
10/01/07	0.217
10/02/07	0.216
10/03/07	0.217
10/04/07	0.218
10/05/07	0.219
10/06/07	0.220
10/07/07	0.221
10/08/07	0.221
10/09/07	0.221
10/10/07	0.220
10/11/07	0.221
10/12/07	0.222
10/13/07	0.221
10/14/07	0.221
10/15/07	0.222
10/16/07	0.222
10/17/07	0.222
10/18/07	0.223
10/19/07	0.223
10/20/07	0.222
10/21/07	0.221
10/22/07	0.222
10/23/07	0.221
10/24/07	0.220
10/25/07	0.218
10/26/07	0.217
10/27/07	0.216
10/28/07	0.216
10/29/07	0.216
10/30/07	0.217
10/31/07	0.218
11/01/07	0.220
11/02/07	0.221
11/03/07	0.221
11/04/07	0.220
11/05/07	0.220
11/06/07	0.220
11/07/07	0.220
11/08/07	0.220
11/09/07	0.220
11/10/07	0.220
11/11/07	0.220
11/12/07	0.219

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Site Name: BLR3P
Rolling Average Interval: 30 days

Date	NOX#/MM3 (LB/MMBTU)
11/13/07	0.220
11/14/07	0.220
11/15/07	0.220
11/16/07	0.222
11/17/07	0.223
11/18/07	0.222
11/19/07	0.223
11/20/07	0.223
11/21/07	0.223
11/22/07	0.223
11/23/07	0.224
11/24/07	0.225
11/25/07	0.225
11/26/07	0.226
11/27/07	0.227
11/28/07	0.227
11/29/07	0.226
11/30/07	0.225
12/01/07	0.224
12/02/07	0.223
12/03/07	0.222
12/04/07	0.223
12/05/07	0.223
12/06/07	0.223
12/07/07	0.223
12/08/07	0.222
12/09/07	0.222
12/10/07	0.222
12/11/07	0.222
12/12/07	0.222
12/13/07	0.222
12/14/07	0.222
12/15/07	0.223
12/16/07	0.222
12/17/07	0.221
12/18/07	0.222
12/19/07	0.222
12/20/07	0.223
12/21/07	0.223
12/22/07	0.223
12/23/07	0.223
12/24/07	0.223
12/25/07	0.222
12/26/07	0.221
12/27/07	0.222

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Plant Name: SMSN

Page: 5

Daily Rolling Average Report

Reporting Period: 07/01/2007 to 12/31/2007

Time of Report: 02/11/08 14:44

Site Name: BLR3P
Rolling Average Interval: 30 days

Date	NOX#/MM3 (LB/MMBTU)

12/28/07	0.223
12/29/07	0.223
12/30/07	0.223
12/31/07	0.224

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Daily Rolling Average Report
Reporting Period: 07/01/2007 to 12/31/2007

Time of Report: 02/11/08 14:21

Site Name: Boiler 2
Rolling Average Interval: 30 days

Date	NOX#/MM2 (LB/MMBTU)
07/01/07	0.203
07/02/07	0.203
07/03/07	0.203
07/04/07	0.202
07/05/07	0.202
07/06/07	0.202
07/07/07	0.202
07/08/07	0.203
07/09/07	0.204
07/10/07	0.204
07/11/07	0.204
07/12/07	0.204
07/13/07	0.204
07/14/07	0.203
07/15/07	0.203
07/16/07	0.203
07/17/07	0.203
07/18/07	0.202
07/19/07	0.201
07/20/07	0.201
07/21/07	0.200
07/22/07	0.200
07/23/07	0.200
07/24/07	0.201
07/25/07	0.201
07/26/07	0.200
07/27/07	0.200
07/28/07	0.200
07/29/07	0.199
07/30/07	0.199
07/31/07	0.200
08/01/07	0.200
08/02/07	0.200
08/03/07	0.200
08/04/07	0.200
08/05/07	0.200
08/06/07	0.200
08/07/07	0.201
08/08/07	0.202
08/09/07	0.202
08/10/07	0.202
08/11/07	0.202
08/12/07	0.203
08/13/07	0.203
08/14/07	0.203

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Reporting Period: 07/01/2007 to 12/31/2007

Time of Report: 02/11/08 14:21

Site Name: BLR2P
Rolling Average Interval: 30 days

Date	NOX#/MM2 (LB/MMBTU)
08/15/07	0.204
08/16/07	0.204
08/17/07	0.204
08/18/07	0.203
08/19/07	0.203
08/20/07	0.204
08/21/07	0.204
08/22/07	0.204
08/23/07	0.205
08/24/07	0.205
08/25/07	0.206
08/26/07	0.206
08/27/07	0.206
08/28/07	0.206
08/29/07	0.205
08/30/07	0.205
08/31/07	0.205
09/01/07	0.205
09/02/07	0.205
09/03/07	0.205
09/04/07	0.205
09/05/07	0.204
09/06/07	0.204
09/07/07	0.203
09/08/07	0.202
09/09/07	0.201
09/10/07	0.201
09/11/07	0.200
09/12/07	0.201
09/13/07	0.201
09/14/07	0.200
09/15/07	0.199
09/16/07	0.198
09/17/07	0.199
09/18/07	0.199
09/19/07	0.199
09/20/07	0.199
09/21/07	0.199
09/22/07	0.198
09/23/07	0.198
09/24/07	0.198
09/25/07	0.198
09/26/07	0.199
09/27/07	0.199
09/28/07	0.199

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Site Name: BLR2P
Rolling Average Interval: 30 days

Date	NOX#/MM2 (LB/MMBTU)
09/29/07	0.199
09/30/07	0.198
10/01/07	0.199
10/02/07	0.199
10/03/07	0.199
10/04/07	0.199
10/05/07	0.200
10/06/07	0.200
10/07/07	0.200
10/08/07	0.200
10/09/07	0.201
10/10/07	0.201
10/11/07	0.201
10/12/07	0.201
10/13/07	0.201
10/14/07	0.201
10/15/07	0.202
10/16/07	0.203
10/17/07	0.203
10/18/07	0.203
10/19/07	0.203
10/20/07	0.203
10/21/07	0.203
10/22/07	0.203
10/23/07	0.203
10/24/07	0.203
10/25/07	0.203
10/26/07	UNIT WAS NOT OPERATING
10/27/07	UNIT WAS NOT OPERATING
10/28/07	0.202
10/29/07	0.202
10/30/07	0.202
10/31/07	0.202
11/01/07	0.203
11/02/07	0.203
11/03/07	0.203
11/04/07	0.203
11/05/07	0.203
11/06/07	0.202
11/07/07	0.202
11/08/07	0.202
11/09/07	0.201
11/10/07	0.200
11/11/07	0.200
11/12/07	0.200

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Plant Name: SMSN
Page: 4
Daily Rolling Average Report
Reporting Period: 07/01/2007 to 12/31/2007
Time of Report: 02/11/08 14:21

Site Name: BLR2P
Rolling Average Interval: 30 days

Date	NOX#/MM2 (LB/MMBTU)
11/13/07	0.200
11/14/07	0.200
11/15/07	0.200
11/16/07	0.200
11/17/07	0.200
11/18/07	0.200
11/19/07	0.199
11/20/07	0.199
11/21/07	0.200
11/22/07	0.200
11/23/07	0.201
11/24/07	0.201
11/25/07	0.200
11/26/07	0.200
11/27/07	0.200
11/28/07	0.200
11/29/07	0.201
11/30/07	0.201
12/01/07	0.201
12/02/07	0.200
12/03/07	0.200
12/04/07	0.201
12/05/07	0.200
12/06/07	0.200
12/07/07	0.201
12/08/07	0.200
12/09/07	0.200
12/10/07	0.201
12/11/07	0.202
12/12/07	0.201
12/13/07	0.201
12/14/07	0.201
12/15/07	0.201
12/16/07	0.202
12/17/07	0.201
12/18/07	0.202
12/19/07	0.202
12/20/07	0.202
12/21/07	0.202
12/22/07	0.201
12/23/07	0.200
12/24/07	0.200
12/25/07	0.200
12/26/07	0.200
12/27/07	0.201

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

Plant Name: SMSN

Daily Rolling Average Report
Reporting Period: 07/01/2007 to 12/31/2007

Time of Report: 02/11/08 14:21

Site Name: BLR2P
Rolling Average Interval: 30 days

Date	NOX#/MM2 (LB/MMBTU)

12/28/07	0.201
12/29/07	0.200
12/30/07	0.200
12/31/07	0.200

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* - invalid
> - exceedance
N - stack not operating or no QA operating time parameter
blank value indicates missing daily average record

TEST REPORT

FOR

Sulfur Dioxide Removal Efficiency

AT

FIRSTENERGY GENERATION CORP.

BRUCE MANSFIELD POWER PLANT

UNIT 1

November 27, 2007

FirstEnergy

Removal Efficiency

Run Number	1	2	3	Average
Unit 1 Potential SO2 Emissions (Calculated				
SO2 (lb/hr)	43047	43980	44401	43809
SO2 (lb/MMBtu)	4.6169	4.7025	4.6928	4.6708
Unit 1 SO2 Emissions Actual (CEMS)				
Unit 1 A Stack Measured Emissions				
SO2 (lb/hr)	189.69	211.48	197.45	199.54
SO2 (lb/MMBtu)	0.04996	0.05400	0.05088	0.05161
Unit 1 B Stack Measured Emissions				
SO2 (lb/hr)	200.69	208.00	210.06	206.25
SO2 (lb/MMBtu)	0.03703	0.03653	0.03708	0.03688
Total Measured SO2 Emitted From Unit				
SO2 (lb/hr)	390.38	419.48	407.51	405.79
SO2 (lb/MMBtu)	0.04350	0.04527	0.04398	0.04425
Unit 1 SO2 Removal Efficiency				
RE (based on lb/hr)	99.09	99.05	99.08	99.07
RE (based on lb/MMBtu)	99.06	99.04	99.06	99.05